

Title (en)

ELECTRONIC DEVICE, PANEL DEVICE, AND SUPPORTING RAIL

Title (de)

ELEKTRONISCHE VORRICHTUNG, PLATTENEINRICHTUNG UND TRAGSCHIENE

Title (fr)

DISPOSITIF ELECTRONIQUE, DISPOSITIF PANNEAU ET RAIL DE SUPPORT

Publication

EP 1073323 B1 20080618 (EN)

Application

EP 99910766 A 19990330

Priority

- JP 9901618 W 19990330
- JP 8836798 A 19980401
- JP 16674298 A 19980615

Abstract (en)

[origin: EP1073323A1] An electronic device excellent in heat radiation characteristics, wherein the rear opening in a housing (1) is covered with the first plate material part (35) of a member (4) and heating elements (26 and 31) are mounted on the second plate material part (36) thereof so as to face the rear surface of the first plate material part (35) toward the outside of the housing (1) and further a supporting rail mounting part (38) is mounted on the rear surface thereof and the first plate material part (35) is ground through a DIN rail (34) connected to the supporting rail mounting part (38), whereby heat generated from the heating elements in the housing can be discharged efficiently to the outside of the housing. <IMAGE>

IPC 8 full level

H02B 1/052 (2006.01); **H05K 7/20** (2006.01)

CPC (source: EP US)

H05K 7/20918 (2013.01 - EP US); **H02B 1/042** (2013.01 - EP US); **H02B 1/052** (2013.01 - EP US); **H02B 1/56** (2013.01 - EP US)

Cited by

EP1578180A1; KR101881660B1; WO2023011844A1

Designated contracting state (EPC)

DE ES FR GB IT NL

DOCDB simple family (publication)

EP 1073323 A1 20010131; **EP 1073323 A4 20011128**; **EP 1073323 B1 20080618**; AU 2960399 A 19991018; DE 69938924 D1 20080731; ES 2304806 T3 20081016; JP 3617452 B2 20050202; US 6563710 B1 20030513; WO 9951073 A1 19991007

DOCDB simple family (application)

EP 99910766 A 19990330; AU 2960399 A 19990330; DE 69938924 T 19990330; ES 99910766 T 19990330; JP 2000541858 A 19990330; JP 9901618 W 19990330; US 64722000 A 20001201